

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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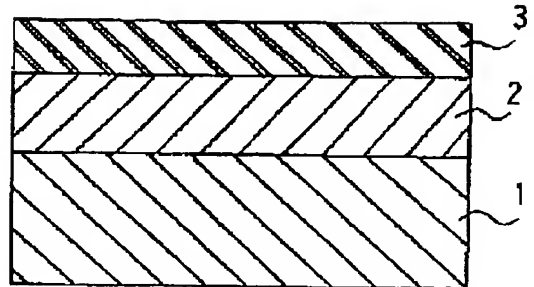
APPLICATION DATE : 03-07-91  
APPLICATION NUMBER : 03162988

APPLICANT : TOPPAN PRINTING CO LTD;

INVENTOR : TAKAI YUKA;

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TITLE : REFLECTION TYPE SCREEN



**ABSTRACT :** **PURPOSE:** To obtain the bright reflection screen and to improve its contrast by providing a light reflection layer and a light absorption layer formed with a resin dispersed with black beads on a reflection type screen, thereby enhancing reflection brightness.

**CONSTITUTION:** The light reflection layer 2 consisting of light reflective ink, coating material, etc., and the non-bright or relatively non-bright light absorption layer 3 consisting of the ink and coating material prepd. by dispersing the black beads into an ink binder are provided on a plastic film 1 or sheet. Then, the entire part of the screen is formed in gray and even if irregular external light is projected over the entire surface of the projection screen projected with video light or a part thereof, this light can be adequately absorbed by the light absorption layer 3 of the screen surface and the contrast of the images projected thereon is improved. There is no possibility of causing a phenomenon generally known as a moire even in the videos emitted from a light source in a projection TV and liquid crystal TV. Since a printing system is not required to be used, there is no need for forming plates, etc.

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